



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/693,511

10/24/2003

Jie Liu

D/A3524

2233

35490

7590

04/21/2005

PATENT DOCUMENTATION CENTER

XEROX CORPORATION

100 CLINTON AVENUE SOUTH, XEROX SQ. 20 TH FLOOR  
ROCHESTER, NY 14644

EXAMINER

STONE, JENNIFER A


ART UNIT

PAPER NUMBER

2636

DATE MAILED: 04/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/693,511	Applicant(s)  LIU ET AL.	
	Examiner Jennifer A Stone	Art Unit 2636	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1,3-6,8,10-14 and 17-19 is/are allowed.
- 6) ☒ Claim(s) 2, 7, 9, 15, 16, 20, and 21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |                                                                                                                                                       |                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                                                           | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>October 24, 2003</u> . | 6) <input type="checkbox"/> Other: ____.                                                |

***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

2. Claim 2 recites the limitation "said notifying vehicle" in lines 2 and 3. There is insufficient antecedent basis for this limitation in the claim.
3. Claim 7 recites the limitation "the lead vehicle" in line 4. There is insufficient antecedent basis for this limitation in the claim.
4. Claim 7 recites the limitation "the current time less the time" in line 6. There is insufficient antecedent basis for this limitation in the claim.
5. Claim 7 recites the limitation "the minimum time" in line 7. There is insufficient antecedent basis for this limitation in the claim.
6. Claim 9 recites the limitation "said leader regain time" in line 3. There is insufficient antecedent basis for this limitation in the claim.
7. Claim 15 recites the limitation "the driver of the receiving vehicle" in line 6. There is insufficient antecedent basis for this limitation in the claim.
8. Claim 16 recites the limitation "the motion-cast region" in lines 4 and 11. There is insufficient antecedent basis for this limitation in the claim.
9. Claim 16 recites the limitation "said receiving vehicle" in lines 7 and 10. There is insufficient antecedent basis for this limitation in the claim.
10. Claim 16 recites the limitation "said forwarded priority message(s)" in lines 8, 9, 11, and 12. There is insufficient antecedent basis for this limitation in the claim.

11. Claim 16 recites the limitation "said random duration" in line 9. There is insufficient antecedent basis for this limitation in the claim.
12. Claim 16 recites the limitation "the forwarding procedure" in line 10. There is insufficient antecedent basis for this limitation in the claim.
13. Claim 16 recites the limitation "the number" in line 8. There is insufficient antecedent basis for this limitation in the claim.
14. Claim 20 recites the limitation "said regular driving message broadcast" in line 8. There is insufficient antecedent basis for this limitation in the claim.
15. Claim 21 recites the limitation "said notifying vehicle" in line 9. There is insufficient antecedent basis for this limitation in the claim.

***Allowable Subject Matter***

16. Claims 1, 3-6, 8, 10-14, 17-19 are allowed.
17. Claims 2, 7, 9, 15, 16, 20, and 21 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

***Conclusion***

18. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Lee et al. (US 6,861,948) discloses a vehicle wireless alarm system wherein a plurality of vehicles transmits and receives alarm signals from a vehicle such as a braking or reversing.

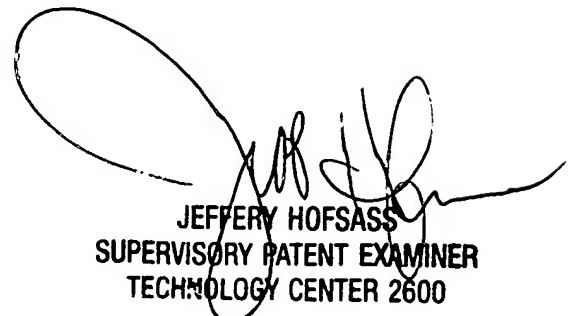
Dunning et al. (US 6,765,495) discloses an inter vehicle communication system that notifies each vehicle of changes in vehicle behavior and transmits notification messages based on hazard priority of vehicle behavior.

19. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer A Stone whose telephone number is (571) 272.2976. The examiner can normally be reached on M-F from 8:00am to 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Hofsass, can be reached at (571) 272.2981. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jennifer Stone  
April 13, 2005



JEFFERY HOFSSASS  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600